

METHOD AND APPARATUS FOR PROTOTYPING  
A THREE-DIMENSIONAL OBJECT

ABSTRACT OF THE DISCLOSURE

A three-dimensional printer includes multiple printheads for printing binder  
5 and/or colorant onto a bed of build material in a build chamber. The printheads can be  
mounted on a gantry that is designed for reciprocal displacement across a build chamber  
along a slow axis. The printheads, in turn, can reciprocally move across the gantry on a  
fast axis to enable displacement of the printheads along both the fast and slow axes so  
that the printheads can deposit binder liquid and/or colorant across the surface of a bed  
10 of build material in the build chamber.